GCSE Maths Higher Calculator Topics.doc

1. Nets – Elevations – 3D Shapes
2. Ratio
3. Constructions – using a compass
4. Inequalities – plus drawing graphs and shading
5. Transformation
   - Vectors
   - Reflections
   - Rotation
   - Enlargement
6. Simultaneous Equations
7. Forming and equation from a given line
8. Fractions in Algebra
9. Quadratics equations
10. Vectors
11. Box Plots
12. Cumulative Frequency
13. Scatter Graphs
14. Product of Primes
15. HCF / LCM
16. Standard Form
17. Sectors of Circles – areas / angle size etc
18. Reasons for Angle size – alternate etc / circle rules etc
19. Using calculators to solve to significant figures and decimal places.
20. Percentage / profit / loss – Interest
21. Estimated Mean
22. Bearings
    - Pythagoras
    - Trigonometry and angle of elevation and depression
23. Interest – Simple and Compound
24. Cumulative Frequency
25. Histograms
26. Lower and Upper Bounds
27. Stratified Sampling
28. Surface Area
29. Probability and Tree Diagrams
30. Proportion
31. Function Graphs
32. Trial and Improvement
33. Algebra – Simplify / Expand/ Factorise
34. Volume / Area problems
35. Trigonometry for non-right-angled triangles including area
36. Surds
37. Trigonometry Graphs
38. Nth term
39. Rational & Irrational Numbers
40. Algebra – prove or show how an equation can be arranged
41. Algebra – Difficult Fractions.